

CATALOGUE OF

1899

SMALL FRUIT PLANTS.

Riverside • Fruit • Farm.

C. W. GRAHAM,
AFTON, N. Y.



CUMBERLAND.

This newest of all blackcaps is an unusually strong grower, productive of enormously large berries, elongated somewhat like a blackberry, making it distinct from any other variety. A wonder of size and beauty; quality similar to Gregg, ripens in mid-season. See testimonial last page cover.

Strong plants 2 for 25c; doz. \$1.00; 100. \$6.00.

—
AFTON, N. Y.
ENTERPRISE PRESS,
1899.

Notice to Purchasers.

Money may be sent at my risk by P. O. money order, express money order, registered letter, or draft on New York. Sums under \$1.00 may be sent in one cent stamps. Payment invariably in advance.

Our stock of plants is warranted true to name. We very seldom make mistakes, but if they do occur they are cheerfully corrected without loss to customers, if we are notified promptly.

I commence to fill orders, when the season is favorable, about the first of April, and all possible haste is made in getting the plants off. My customers are never more anxious to get their plants than I am to send them. We send out only good stock in good condition, freshly dug and carefully packed.

The plants should be shipped as early in the spring as possible. They will go through in better condition and when planted make finer growth.

Raspberry and blackberry plants can be sent by freight early in the spring in good order at the purchaser's risk. Strawberry plants go by mail or express. It is always best to plant three varieties: early, medium and late, so as to prolong the season.

The purchaser may select six plants at dozen rates, 50 at 100 rates and 500 at 1,000 rates.

Packing is executed with the utmost care. Special pains are taken to pack lightly, therefore reducing the express charges.

The pistillate or imperfect varieties are usually, when well cultivated, the most productive, and for best results plant every third or fourth row to some perfect flowering sort like the Bederwood, Fountain or Brandywine marked per.

We never substitute without instructions from purchaser.

All varieties of strawberry plants that I offer for sale are growing on my place and will be freshly dug at time of shipment.

Unless otherwise ordered, we ship our plants direct from here by National Express.

Order strawberry plants early, by all means, as early as possible. Let us book your order while our stock is full, and then have them shipped so as to reach you at least one week before they are wanted. It is easy to hold plants over, but delay may be fatal, and it can only be certainly avoided by having the plants on hand in good time.

If not prepared to send all of the money, send a part when the order will be booked; the balance before shipment.

It sometimes happens that we send two catalogues to one address. Should you receive more than one copy please hand the extra one to some friend who will be interested in it.

By special arrangements we are now able to ship our customers by express to any part of the country, plants at the hundred pound merchandise rates, less a special reduction of 20 per cent. therefrom. Thus we secure for our customers a low express rate on all shipments.

Your name, postoffice and state should be distinctly written, and be sure that neither is omitted. No matter if you write several times, always give full name and postoffice address.

REFERENCES.

For references address, First National Bank, Bainbridge, N. Y., National Express Co's agents, Church & Hill, bankers, Afton, N. Y.

Plants received today and set out. They are very nice plants, and obliged to you for extras.

C. T. Moor, Broome County, N. Y.

FROM THE NEW YORK FARMER.

We recently made a business call on C. W. Graham of Afton, a grower of small fruits, plants and vines. He reports a fine spring trade in plants and vines, orders coming from as far west as Idaho. Mr. Graham's reputation locally is first rate, and as his plantation is in first-class condition, his customers may rest assured of first-class goods at reasonable rates.

RIVERSIDE ~~AND~~ AFTON FRUIT FARMS

Mr. C. W. Graham, the proprietor of the above named establishments and the leading fruit and plant grower in the Susquehanna valley, has increased largely both the size of his plantations and the number of varieties under cultivation. His plant trade has largely increased during the past year. With a view to preparing for this increased demand, he has added to his stock in various lines until he now has in all over sixty varieties, including strawberries, raspberries and blackberries.

About three acres of new beds planted the present season in strawberries are, I believe, the finest I have ever seen at this season of the year, and with the old beds of about two acres, give good promise of an immense fruit yield the coming year. He also increased his raspberry plantations until he has about an acre more in condition for fruiting another year than the past season in red and black sorts. He finds the Louden next to Cuthbert in profit on his grounds.

From about one acre of blackberries he marketed this season 109 bushels of beautiful fruit, netting a fine profit. He finds the Snyder and Western Triumph most profitable as market sorts, but considers Agawam and Sanford, the latter a now wild sort introduced by himself, as superior for table and family use.

E. J. B.

STRAWBERRY PLANTS FOR THE TRADE.

My stock of plants for 1899 is grown from now beds on soil that has been heavily fertilized and never cropped to berries before. I have not spared time or money to grow the finest plants possible. I prepared the ground for planting in the following manner: In the Fall of '97 the land was plowed to the depth of nine inches. From 40 to 50 loads of good stable manure was applied during the winter. In the Spring the lot was cross-plowed and the soil thoroughly harrowed and pulverized five inches deep. The best plants obtainable were set in April with the Perfection plant settor. The blossoms were picked and all runners cut off up to July 15th. After that the first runners were layered each side of the parent plant. The soil was kept stirred in the row and the cultivator used once each week during the entire season. Sixty bushels of hard wood ashes were applied direct to the rows in small quantities during the entire summer. In November the plants were given a dressing of good horse litter. I use the metal truck, steel, low wheels with stagger spokes, with four-inch tires on my wagon for spreading the manure on the plants.

The plants I offer for sale are well grown, and will be packed in the best possible manner. Almost without exception they are taken up the day the order is filled. I aim to have no plants left in the cellar over night. I am confident that my plants will reach their destination in good order and warrant the safe arrival of all orders sent out up to May 1st. Please do not send to me for cheap plants, I do not grow them. I find from experience those bought for \$1.00 to \$2.00 per 1,000, even with the best of culture, will make a poor stand of plants and hardly produce fruit enough to pay for cultivation. Such plants are dear at any price. I grow only the best, and the best is good enough for all. I want every customer to receive full value for every dollar sent in living plants; 26 for 25 in every bunch.

STRAWBERRIES.

Fertilize the ground as for a good field crop—Commercial fertilizers produce the least weeds. For field culture plant in rows $3\frac{1}{2}$ to four feet apart and the plants from 18 to 20 inches in the rows. Select ground that had hood corn on last year. The best land is one that has had heavy clover plowed under and then one hood crop. Keep your ground thoroughly cultivated, don't allow the weeds to get a start. If plants are sent by mail, add 25 cents per 100 for postage; at dozen rates, post free; at thousand rates, by express or freight.

Care of Plants. Unpack plants as soon as possible after receiving them. Place roots only in water and lay them loosely in a cool, light place until ready to set them. If roots are wet the sun will not hurt them. If necessary to keep them several days, heel them in, spreading each bunch to occupy about two feet of drill, and pour water along the roots once or twice a day. New rootlets will start and the plants will get in better condition for setting than when first received. Murate of potash, ground bone and nitrate of soda applied to the soil and thoroughly worked in before setting the plants will give grand results. For one acre use from 1,000 to 2,000 pounds bone meal, 200 to 300 pounds murate of potash, 50 to 100 pounds nitrate of soda.

NO. 3 SEEDLING STRAWBERRY.

Description by the Originator.

For the past five years we have been producing new varieties of the strawberry from seed obtained from ripe specimens of the most desirable varieties planted near together so that they would mix while in blossom, and of the thousands of varieties thus produced we have one, our No. 3, that in point of market value is far superior to any other strawberry yet introduced. We have fruited this for the past four seasons and have watched it carefully in all its characteristics, and having cultivated it on poor land without any manure or fertilizer, we are fully convinced that no other variety we have in cultivation is equal as a general purpose market berry. It is the most vigorous in growth of any variety we ever saw and is a great plant maker. It has made over one hundred plants from one setting with us. It ripens early and is enormously productive of very large fruit which is of the most beautiful, bright, crimson color, with never a white tip, and its shape is the most uniform and best that we have ever seen in the strawberry. It is a good shipper. We will ship the fruit largely the coming season and there will be a great demand for the plants next year. The points of excellence which we claim for our No. 3 Seedling strawberry are (1) vigorous growth and health of plant, (2)



hardiness, (3) largo size, (4) enormous productivness, (5) good shipping qualities, (6) desirable color, (7) it produces fine, largo berries on poor land but yields to good treatment as readily as any other variety, (8) it is of good uniform shape, (9) it colors all over even and is of a beautiful, bright, glossy, crimson color which adds to its market value, (10) it is of the very best quality. We picked some of the berries when they wero just beginning to ripen, and on examination three days later found thom all beautifully colored; this is a good characteristic, as the berries can be picked half green (at this stage they average larger than most varieties when full ripe) and shipped to a distant market, when they would, on arrival, be a beautiful, bright, crimson red color. We have been careful not to offer the plants of any of our new seedling varieties for sale until we had by actual test proven their adaptability under adverse as well as favorable conditions, and having had four seasons' experience with our No. 3 Seedling, we feel confident that it will give satisfaction and that no one who grows berries for market will ever regret planting it. The fruit of our No. 3 Soedling average larger than any other variety we have, it is early to mid-season, ripening two days ahead of Lady Thomson, holds up well in size to the end of its picking season, and continues fruiting through a long season.

WASHINGTON, D. C., June 4th, 1897.

HEFIN & HANBACK,

Dear Sirs:—Your Hefin and Hanback No. 3 Seedling strawberries just arrived in fine condition and sold for 12 cents per quart. Without exception, these are the finest berries we have seen this season. They have every quality one could ask, being large, high colored, and are exceptionally fine flavor, in fact, it comes about as near being perfect as any strawberry we have ever seen. Wo take pleasure in recommending them to all strawberry growers, for they are surely worth trying.

In regard to price of strawberries Junc 4, will say they sold from 3 to 8 cents, the latter price being for fancy Gandy's; your No. 3 Seedling 12 cents.

Yours respectfully,

E. J. ADAMS & CO.

E. J. Adams & Co. have handled our No. 3 Seedling strawberries in the Washington market the past two seasons.

HEFLIN & HANBACK.

I have not fruited this berry yet, but have a fine patch growing. It is a remarkably strong, vigorous, upright grower with very healthy foliage. My stock of plants came direct from the originator and is strictly pure and very fine.

BRYANT.

From Ontario county, N. Y., and is described by the originator as follows: It is the best strawberry that we have ever tested and wo have grown more than one hundred kinds in the past four years. Plants very strong and vigorous, setting runnors freely, perfectly free from rust or blight and one of the most productive; roots large and long, plant one of the best to resist drouth. The fruit is very large and perfect, never coxcomb, and holds its size well to the end of the season; berries deep red in color, very firm and of good quality. It is also one of the best canning berries on account of its size, color and flavor. Do not fail to plant the Bryant if you want the best berry for profit.

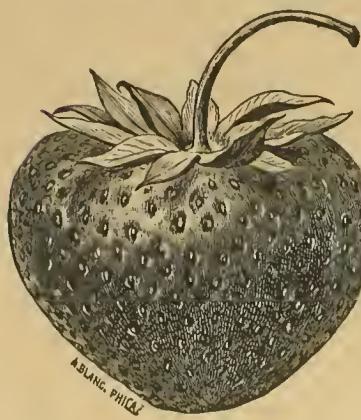
This variety fruited here on spring set plants. It made a remarkable growth of strong, healthy plants and bore some very fine specimens of fruit.

The plants were received promptly and in first-class shape. I am well pleased. Thanks for the extras. They are duly appreciated.

E. E. WELLING, Renssalaer Co., N. Y.

THE EMMA.

A new variety from Marlboro, N. Y. The originator says: I have a new seedling strawberry called the Emma. I have grown this variety for four years and never offered any plants for sale until now. Have tested it with the best of the standard sorts and it is superior to them all. The plants are very vigorous, large and stocky, perfectly free from rust or blight and a heavy cropper. I believe the Emma will do well on any soil. It is a bright red, solid berry, and a good shipper. I have had them measure seven inches around. It has long roots that enable it to mature every holly. They hold their size well to end of season. It is a perfect berry. I will plant mostly of the Emma this season.



Not fruited here yet. The plants are all right every way.

THE PHOENIX STRAWBERRY.

The Phœnix is a striking novelty from Arizona, where under a local name it has proved itself capable of bearing three or more crops in one season. Hearing of this remarkable fruit from a friend who saw fine berries growing and ate them at his hotel late in the fall, we procured some plants and tested them in Delaware last season. After ripening a crop in regular time, these plants bloomed out afresh and in due time gave a second crop of as fine berries as any one need want. This second crop was about equal to Gandy's, only about four weeks later. By its peculiar tree-shaped fruit stalks, the large berries were all held up clear of the ground, as clean, luscious and handsome berries as we ever saw in mid-season.

This berry is distinct in every way from the ordinary everbearing varieties, which give a few scattering berries under favorable conditions through the season, but oftener give no berries worth anything after the regular season. The Phœnix gives a good second crop, blooming out afresh after the first berries are all picked, and this crop is as regular and full as the first crop of the Gandy.

A berry that bears two crops, as a matter of course, needs a deep, rich soil and a very thorough mulch. We think it better to put the mulch on in the early spring, after giving the rows one good cultivation and hoeing.

A good many berries are produced the first season without any extra care except to keep down the runners and to have the soil always thoroughly loose. Thus you do not need to wait even until next year to see what this berry can do in the way of giving late berries and a second crop.—Introducers.

Not fruited here. Plants and runners very large; look like the Bubach, only darker green.

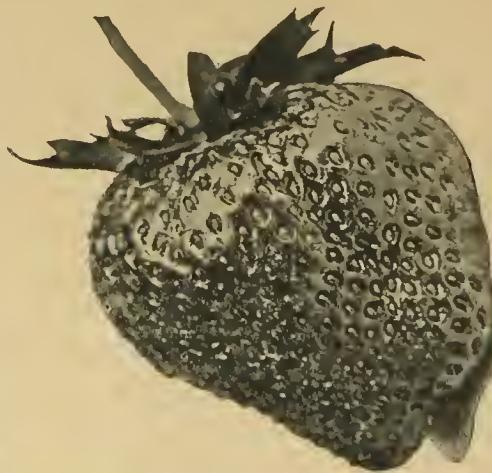
The plants received in fine condition. Can say I never before received such nice plants and liberal count. Thanks for extras. If ever I want more plants you shall have my order.

J. L. MARBLE, Cooperstown, N. Y.

NICK OHMER.

For market, for home use, or for exhibition, this is probably the greatest berry ever offered. It is certainly the most desirable variety that has come under my observation. It is my candid opinion that all who grow the Nick Ohmer will be astonished at its healthy, vigorous growth and great productiveness. The fruit will be a surprise to all who see it, being of mammoth size, beautiful form and color and excellent quality. The plant is very large and stocky, sending out plenty of strong runners. It is probably not surpassed in health, vigorous growth and productiveness by any variety. It has a perfect blossom. The fruit is of the very largest size, a giant among strawberries. It is never misshapen. Its only departure from the regular, roundish, conical form is when, under high culture, it is somewhat triangular. It is dark, glossy red, firm and of excellent flavor.—M. Crawford.

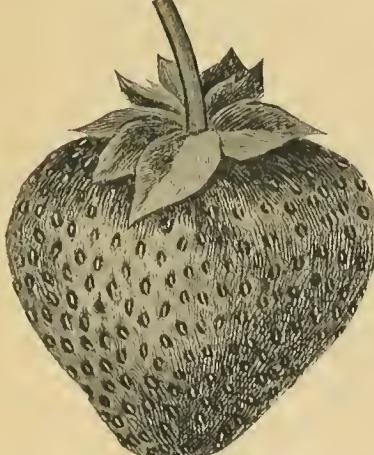
The Nick Ohmer fruited here last season. I think it will sustain all the claims made for it. It has certainly come to stay.



STAR STRAWBERRY.

The Star strawberry is one of the newer introductions and is pronounced by its introducers and others who have fruited it to be the brightest star in the strawberry family. The berry is large and handsome in appearance, measuring 6 to 7 inches in circumference, on the average. It is as near perfection in shape as possible, somewhat resembling the Gandy, but not quite as dark in color. It is a beautiful glossy crimson, and it colors all over at the same time, being an ideal berry in this respect. All the berries average large from first to last, with no small or ill shaped berries throughout the entire season. In quality it is of the best. The plant is a vigorous and strong grower with healthy green foliage, deep rooted and very prolific, being a staminato or perfect variety. Season of ripening is second early.—Introducer's description.

In reply to a letter addressed to the introducers since the fruiting season of '97, they write as follows: "With regard to the Strawberry we cannot say too much of it. It has met all our expectations and today it is making the finest showing of any variety we have. The plant and fruit looks very much like

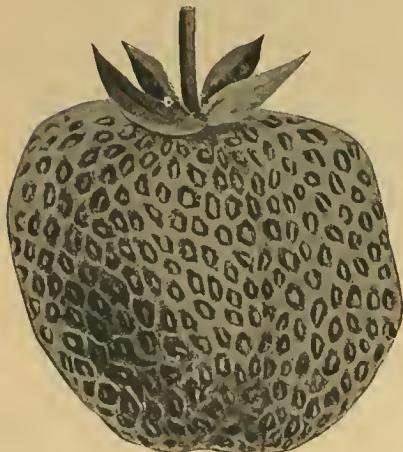


the Sharpless, with the exception that the Star plants were very much larger than those of Sharpless, nearly doubling them in size. It is a fine grower with large, strong, healthy foliage."

SEAFORD.

A new variety from Delaware exhibiting such fine qualities that it is bound to become popular.

It exceeds the Bubbach, which it equals in size and quality; is far more productive and sufficiently firm for market. It is a deep, glossy crimson; quality good. The plant is exceptionally vigorous, with foliage that endures the hot sun with wonderful endurance. It ripens about second early and will be admirable to succeed early varieties and usher in those ripening in mid-season.



Plants received promptly and in fine condition, owing largely to the extra manner in which they were packed. Good stock and full count. Thanks for the 25 seedling blackcap on which I will report later. GEO. K. MAHAN,

Chenango Co., N. Y.

COBDEN QUEEN.

The following is a part of the originator's description: "The plant is a vigorous grower and is an abundant bearer of large sized fruit of a beautiful color. It is about three days earlier than the Crescent, and the pickings are as large as the first. This is the third season I have shipped to Chicago, and its carrying qualities have proven to be the equal of any strawberry now before the public, not excepting the Gandy or Hoffman. Its points: Earliness, size, carrying qualities, beauty of berry, vigor of plant, quantity of berries to the acre." Has not fruited here. However, this much I can say—it is one of the finest growers on my place.

MANWELL.

The Manwell strawberry originated in Iowa by Allen D. Manwell. This berry is a seedling of the Crescent fertilized with the Sharpless, and is described by the originator as follows: The Manwell combines good qualities of both parents. Its firmness, large size and glossy crimson color make it a great shipping berry. I have fruited it five seasons and it retains the vigor of the original plant. It ripens all over at once without any green tips. It has a perfect blossom and bears its fruit on large stems which often bring to perfection as many as 20 berries on a single stem. It is not immensely large, but its great beauty, firmness, earliness, good flavor, productiveness and vigor, combined with good size, make it exceedingly popular. Ripens at same time as Crescent.

The Manwell and Magoon fruited here on Spring set plants. The fruit was fine for plants so recently set out. They were very productive, large, firm and of good quality.

RIDGEWAY STRAWBERRY.

Plant large and stocky, possessing the ability to make a large number of strong, healthy plants. Leaf large, broad, heavy and dark green in color. Blossom perfect, a good polenizer for pistillate varieties, as it remains in bloom for a long time. Berry large to very large, the typical form nearly round; largest specimens broadly ovate but always smooth. Color, as it grows at Rocky Glen, bright, glossy crimson, with golden seeds. Firm for so large a berry and will stand shipping to distant markets, except in a very wet time. Quality as good as the best, an almost ideal berry, and one that will command fancy prices on any market.

--Introducer.

The Ridgeway was introduced a year ago with the above description. After fruiting it another year, the introducer, who lives in Indiana, says that he has nothing to recall, but again affirms his belief that it is, all things considered, the best general purpose berry ever introduced. It is all that was claimed for it. Last season it gave the largest crop of fancy berries ever produced on his farm, even surpassing the Parker Earle, which has been considered the greatest yielder ever introduced. Mr. Ridgeway is a grower of experience, and I have no reason to doubt his word. I fruited this variety here last season. Resembles the Cumberland in shape and size but of darker color and better flavor. Fruit fairly firm. Good plant maker, one of the most productive.



MAGOON.

From Oregon, where it has become famous. It has certain characteristics in which it surpasses any ever before grown in Oregon. It is so vigorous that five-year-old plants produced more fruit than younger ones. One grower reports that he picked 14 boxes from 18 hills at a single picking. It is so large and attractive that it brought 25 per cent. more than other varieties. It is ahead of all others as a shipper. Its size, shape, color and flavor make it the choice of the buyer. It is superior for canning. What it will do here remains to be seen.—M. Crawford.

YOUNG'S EARLY SUNRISE.

This new and excellent berry originated in Indiana and has given the highest satisfaction on my grounds in central Ohio. Earlier than the Mitchell's Early and as prolific as Crescent; fruit larger than either, of a bright scarlet color, perfect blossom, free from rust and entirely hardy. Fruit was picked from this variety the past season the 4th of May.—Originator's description.

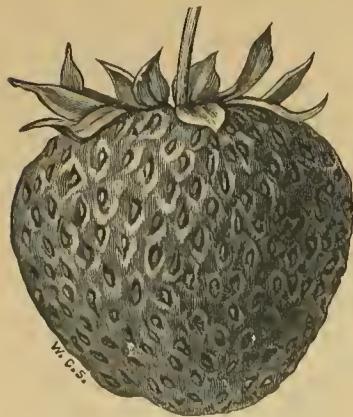
Was very productive on spring set plants—the earliest variety in my collection. A great plant maker and a strong, healthy grower.

CLYDE STRAWBERRY.

This excellent market berry makes a thick and wide matted row, and as it is immensely productive, it insures a large crop. Largo, attractive berries, good color and handsome appearance. It makes many large clusters of fine berries. But few varieties ever introduced has given better satisfaction in all parts of the country. I have fruited it twice and consider it to be the very best early variety ever offered the American people. It is a strong staminate, the plant is very vigorous and healthy, there being no trace of disease about it that I have ever seen. The foliage is a light green in color. It produces strong plants with an abundance of long roots which penetrate the soil deeper than most varieties. The berries are not only of the largest size, running large to the very end of the season and bearing in enormous quantities, but of a brilliant scarlet

color. They will carry well to market and sell well when they get there. Then, as a table berry, it is hardly surpassed by any variety in existence.

I can recommend the Clyde to those who want a fine, large, early berry.



MARGARET.

This variety has done even better than I had reason to expect. The plant is large, healthy and a vigorous grower, having dark, glossy foliage. It is very productive and the fruit is of extra size and quality. It ripens all over a dark, glossy red and retains its color to the center. The flesh is firmer than any other large berry I know of. The season is from medium to very late and the berries keep up in size to the last picking.

SATISFACTION.

A seedling of Wilson, resembling that variety in its fruit, but having an ironclad leaf that effectually resists the leaf rust to which Wilson is so subject. While the berries are not of the largest size they are above the average, being much larger than Wilson, are uniform in size and shape, holding out well to close of season. Berries are bright red. Owing to its fine appearance, uniform size and good shipping qualities, it sold for better prices this season than most varieties. It has a perfect blossom, is a good plant maker of thrifty growth, long, deep roots. Season medium to late. Very productive.

BELLE.

Originated near Cleveland. Few kinds have made a better record. The plant is a good grower, one of the last to rust, and a great bearer. Blossom perfect. Fruit very large, often cockscombed, dark, shining red, firm and of good flavor. Its blossom is one of the hardiest and the fruit ripens until very late. Its one fault is its habit of growing flat and misshapen.

BISMARCK. A seedling of Bubach. A stout, vigorous grower on my grounds. Fruit obtuse conical and very heavy, color bright scarlet with no green tips; firm, fine flavor and prolific; season late; a better grower and equally as prolific, with a perfect blossom. A decided acquisition.

CARRIE. A seedling of the Haverland, which it very much resembles in shape and habit of growth. It is darker in color and firmer than its parent, being an excellent shipper. It is highly recommended by Prof. W. J. Green, of the Ohio Experiment Station, who says it pleases him better than any berry recently introduced.

PET. I have fruited this variety two years. I am very well pleased with it. The plant is a strong, vigorous grower of the Sharpless class. The berry is very large, fully as large as Wolverton or Haverland and is more productive. Fruit fine flavor. It has a perfect blossom very rich in pollen. Those berries always bring high prices.

MARY. This is a New Jersey berry of very large size. It has made a great record in nearly all parts of the country. It is only of medium quality. Plant very large and strong. Berry one of the largest grown, beautiful in appearance. Very productive and quite firm. Season medium to late, retaining its large size to end of season. Owing to firmness, size and color we deem it a very valuable market variety.

MELE. Plant large, healthy and very productive. Berries large and uniformly heart-shaped with a blunt tip; color scarlet; firm and of good quality. Ripens through a long season.

NOBLE. One of the most noted of the English berries and the best one ever fruited here. It is generally a success in this country and is recommended for those who desire to raise the very best, and know how to do it. The Noble is one of the largest.

IVANHOE. Originated by Mr. George W. Trowbridge, near Cincinnati. It is a very desirable early variety. The plant is an excellent grower and a good bearer. It has a strongly staminate blossom. The fruit is rather long, conical, very bright red and of good quality. For an early sort I prefer this to any other.

HAVERLAND. Originated by Mr. Haverland near Cincinnati. It is a well known reliable variety succeeding in all parts of the country. The plant is a healthy, vigorous grower, and one of the most productive. Blossom pistillate. Fruit stalks are not strong enough to hold up the load of fruit, and mulching is a necessity. Fruit large, long, bright red, medium in firmness and of good quality.

GLEN MARY. This variety has not proven a desired success here. Plants vigorous, large and stocky, free from rust or blight, and productive. Fruit large, irregular shape, dark red, fairly firm but only medium in quality. Season medium to late.

I have omitted two varieties strawberries introduced in last year's catalogue:

THE LEIGH. Closely resembles in every way the Crescent, and Pondrosia proved to be the Enhance renamed.

WOLVERTON. One of the most valuable sorts ever introduced. The plant is vigorous and thrifty, a giant in size and abundantly productive. The fruit is very large, firm, bright red in color and of extra fine quality. A profitable variety for fancy market.

FOUNTAIN. This is one of the best market berries on my grounds. The plant is an exceedingly vigorous and thrifty grower and one of the most productive. The fruit is large and handsome, of a deep, bright red color, flesh red and solid to the center, heart shaped, somewhat subacid but of a good quality. It is unexcelled for long shipment.

BRANDYWINE. Very vigorous, perfect blooming plant, tall fruit stalks, broad, heavy, dark green foliage. Plants are clean, thrifty growers and good bearers. Fruit stalks heavily loaded with large to very large berries. Flesh red clear through, firm, somewhat acid but rich, sprightly flavor. A berry with a distinct characteristic of its own. Mid-season to late.

ARMOUT'S PARKER EARLE. Resembles the very best type of the old Parker Earle. Plants a moderate grower and a heavy yielder of large and slightly flattened bright crimson berries. A good shipper but needs high culture to produce a good crop.

WARFIELD. From Illinois. One of the best known market berries and perhaps the very best shipper we have. The plant is a good grower and prolific bearer. It makes so many runners that unless some be cut off, the plant is not at its best. Some growers manage this by setting the plants so far apart that they cannot cover the ground too thickly. When well grown the fruit is large, dark glossy red, firm and attractive.

STAPLES. The fruit almost identical with Warfield, equally productive and possessing all the good qualities of the Warfield; yet it is a perfect bloomer, making it the most valuable fertilizer for this variety known. It is one of the very earliest to ripen, and not only ripens a few berries early but produces an abundance of early ones.

ENHANCH. (Perfect) This is a good one for fruiting the second crop of berries. Some have picked the second crop of them the same season and realized a fancy price. They are a good polenizer for late varieties. Fruit largo, even shape. The plant is one of the most vigorous and healthy growers, producing an enormous crop of large-sized berries. The fruit is somewhat irregular but very firm, of good quality and of a dark crimson in color. A profitable market variety. Late.

TENNESSEE PROLIFIC. Season second early. A very largo productive berry and good shipper. Very popular wherever grown. Especially valuable for shipping north. Succeeds well on sandy soil, as it roots deeply, but does well on heavier land. Dark red to center. Flavor excellent.

BEDER WOOD. This is the most productive of the very early varieties, and, in fact, is not excelled by any kind for its large yield of fruit. It ripens about three days behind Mitchell's Early, and a full week ahead of the Crescent; gives heavy pickings from the start and holds out to the rush of mid-season. Recommended by M. Crawford as the best early variety.

CRESCENT. (P) A very prolific berry, bearing profusely, even under neglect. In growth it is very vigorous and hardy and produces better if the vines are not allowed to mat. They should be thinned even if the hoe has to be used. Fruit colors on all sides at once. A great cropper. Early.

BISEL. A seedling of the Wilson from southern Illinois. It is grown very extensively for market and has given great satisfaction. The habits of the plant are good. The blossom is pistillate. The fruit is large, firm, bright red and produced in great abundance.

OCEAN CITY. This berry has been very satisfactory here, both in plant and fruit. It is one of the last to rust and is a good yielder. Fruit is of large, firm, deep scarlet, with bright yellow seeds; pink-fleshed, with white center, very rich, sweet and high-flavored. Certainly a desirable berry for the family bed and for markets that want extra large size. Thrives on light or heavy soil.

PRICE LIST.

	12 BY MAIL	100 BY EX.	100 BY EX.
	POST PD.	NOT PD.	NOT PD.
Arnout's P. Earl (Per.)	\$0 25	\$0 75	\$5 00
Bederwood, Per.	20	50	2 50
Bryant, Per.	25	75	4 00
Bismark, Per.	25	50	3 00
Bisel	20	50	2 50
Bell, Per.	20	40	2 25
Bubach	20	50	3 00
Brandywine, Per.	20	50	2 50
Crescent	20	40	2 25
Clyde, Per.	20	50	3 00
Cobden Queen	25	60	3 50
Carrie	30	1 00	
Early Sunrise, Per.	20	50	3 00
Emma, Per.	75	3 00	25 00
Enhance, Per.	20	50	2 50
Fountain, Per.	20	50	2 50
Glen Mary, Per.	25	50	3 00
Haverland	20	50	2 50
Hunn	25	75	
Heffin No. 3 Seedling	30	1 00	5 00
Ivanhoe, Per.	20	50	2 50
Lovett, Per.	20	40	2 50
Manwell, Per.	20	50	3 00
Morgan's, Per.	20	60	
Mele	25	60	3 50
Magoon, Per.	20	50	3 00
Michigan, Per.	25	50	
Mary	25	50	3 00
Margaret, Per.	25	75	5 00
Noble, Per.	20	50	3 00
Nick Ohmer, Per.	30	1 00	8 00
Ocean City, Per.	20	50	2 50
Phoenix, Per.	30	1 00	
Pet, Per.	25	50	4 00
Ridgeway, Per.	25	60	3 50
Staples, Per.	20	50	2 50
Seaford	25	60	3 50
Starr, Per.	20	50	3 00
Satisfaction, Per.	20	40	2 25
Tennessee, Per.	20	50	2 50
Warfield	20	40	2 25
Wolverton, Per.	20	50	3 00
Wm. Belt.	20	50	3 00

SPECIAL OFFER.

To encourage early cash orders before the rush of the packing season, I make the following special offer:

For each dollar at list prices received before April 1, I will allow you to select free a further ten per cent. of the amount of your order in strawberry plants at dozen and hundred rates. Thus if you order for stock at the prices quoted herein is \$2 you are entitled to 20c worth of extra plants; \$3, 30c and so on. Please make your selection when ordering.

My strawberry plants before shipment are trimmed of all dead leaves and stems, but all those who wish to trim their plants when received may deduct 25 cents per 1,000 when sent by freight or express. This offer does not include plants by the dozen at dozen rates.

In ordering dozen lots to go by express you may deduct 5 cents from the price of each dozen ordered. Special prices quoted only on large orders.

I warrant my stock of plants perfectly free of all insects or disease.

CRATES AND BASKETS.

FOR THE TRADE.—Those who are anxious to obtain first-class Crates and Baskets can be furnished with both at reasonable prices. My crates are hand made (to order) of the best material, and used by the principal growers for Long Shipment. They are built light and strong, easy to handle, and are in every way superior to any other kind.

The baskets are neat and strong. Well ventilated, and when packed in the crates are calculated to preserve and protect the berries.

Special prices on application.

RASPBERRIES.

NOTE.—If you wish them sent by mail add 10 cents per 12, 40 cts. per 50.

CULTIVATION.—Set in rows seven feet apart and three feet apart in the row. Having fitted the ground as for strawberries, plow a furrow about five inches deep and set plants flat in the bottom of the furrow with roots spread in all directions, taking care not to break off the buds, and firm the soil as solid as possible with the feet all around the plant and fill in the furrow with loose earth to act as a mulch. Cultivation should be frequent until the last berry is picked, when the old canes should be cut out and burned at once to destroy any fungi or insects which may have found a lodgement in them.

LOUDON. This originated in Wisconsin and is a cross between Cuthbert and Turner. Its canes are strong and hardy and it is wonderfully productive. In addition to this it is of large size, good color and excellent quality. It is well spoken of in all the reports where fully tested. Its wonderful vigor and hardiness, together with productiveness and fine quality, make it very desirable for home use or market. Doz. 30c; 100, \$1.25. Transplants, doz. 35 cents; 100, \$1.50.



CUTHBERT. The leading late market variety and best red raspberry in cultivation. Doz. 25c; 100, 80c; 1,000, \$5.

MILLER. Very bright red color, good for gardening or market. Doz. 25c; 100, 80c. Transplants, doz. 30c; 100, \$1.00

COLUMBIAN. The best purple berry for canning and table use, yielding 800 quarts per acre. Doz. 35c; 100, \$1.50; 1,000, \$10.

Tips are extra strong, well rooted plants.

PALMER. The very best early black cap, very productive, thoroughly hardy. It sends out numerous laterals which are filled with luscious, large, jet black berries. No one can afford to neglect raising the Palmer either in garden or field. It has been grown and thoroughly tested for the last seven years and its popularity is on the increase. We have a large and fine stock of this variety. Doz. 25c; 100, 80c; 1,000, \$5.00.

CONRATH. Resembles Gregg in many ways but is much earlier and better and is firm, sweet and good, maintaining its large size to the last picking. The canes are of iron clad hardiness, very prolific and makes a strong, healthy growth. It ripens early. Doz. 25c; 100, 80c; 1,000, \$6.00.

KANSAS. We have now fruited this splendid blackcap three years, fully sustaining the past season its high record made the previous years. Its canes are of strong growth, very hardy and prolific, with tough, healthy, clean foliage. The berries are as large or larger than the Gregg, with less bloom, handsome, firm and of excellent quality. Its season may be termed second early, ripening after Souhegan but much earlier than Gregg. It is, beyond question, a variety of great value. Doz. 25c; 100, 80c; 1,000, \$6.

GREGG. The leading late blackcap and popular market sort. One of the best grown for general cultivation. Doz. 25c; 100, 80c; 1,000, \$5.00.

HILBORN. While Palmer is a few days, possibly a week, earlier, Hilborn is so much larger and more attractive that if we were to plant but one blackcap it would be Hilborn. The canes are the largest and most vigorous of any and not affected with disease in any form. The berries are the largest and most attractive of any, being even larger than Gregg. It ripens its crop in a short time early in the season and brings the best prices. No other variety of blackcap tested by us is more hardy or productive. Doz. 25c; 100, 80c; 1,000, \$6.

EUREKA. Ripens a few days later than Souhegan and earlier than Ohio. Fruit large and firm, almost equaling Gregg in size, quality of the best. Berry free from bloom and very attractive, making it a splendid seller. The canes make a strong, upright growth with a bright, healthy color resembling Ohio, and quite as hardy. Doz. 35c; 100, \$1.50.

NEMAHA. The Nemaha has excelled all other late varieties, of better quality and as large; hardier than the Gregg. Doz. 30c; 100, \$1.25.

BLACKBERRIES.

Plant same distance apart as raspberries. Strong sucker plants with cross roots. Fine.

SANFORD. The Sanford is strictly a wild berry improved by cultivation. The plant is exceedingly vigorous, perfectly hardy and very productive. The fruit is from medium to large and when ripe is a deep black in color. Quality good, possessing to a high degree the wild flavor of the berries of the woods. The Sanford does the best on rich, moist loam restricted to hills. Last season Sanford berries sold 2 cents higher in Binghamton market than any other varieties. Doz. 30c; 100, \$1.00.

WESTERN TRIUMPH. One of the best early blackberries yet introduced. It is as hardy and productive as the Snyder. The fruit is of good size, perfectly free from cone and has a delicious flavor. Plants very early, hardy and wonderfully productive. Doz. 30c; 100, \$1.00.

SNYDER. Very popular for the north and northwest on account of its extreme hardiness; wonderfully productive, size medium, fruit juicy and sweet without the hard core of many sorts; canes remarkably strong and thrifty. More largely planted than any other of the ironclad varieties. We have a heavy demand for them every year. Season early. Doz. 25c; 100, 80c; 1,000, \$7.

TAYLOR'S PROLIFIC. Nearly as hardy as Snyder. Berries larger and of fine quality, sweet and juicy. Canes of strong growth, greenish yellow, of especial value for planting at the north, suited to low, moist ground. Demand heavy for these each year. Doz. 25c; 100, 80c.

ERIE. A chance seedling recently bro't to the notice of the public. Considered a valuable acquisition. Hardy and very productive. Fruit first quality, large, ripens early. Doz. 30c; 100, \$1; 1,000, \$8.

AGAWAM. Fruit of fair size, jet black, sweet, tender and melting to the very core; for home use it has no superior, being sweet throughout as soon as black. It is extremely hardy and healthful and very productive. An eminent small fruit grower says: "It stands at the head for hardiness, fruitfulness and sweetness." Doz. 25c; 100, 80c.

ELDORADO. Large, sweet, extra fine quality, hardy. Doz. 30c; 100, \$2.00.

RATHBURN. The largest of all blackberries. Two for 25c; doz. \$1.00; 100, \$6.

MERSEREAU. Description on last page. Two for 30c; doz. \$1.50; 100, \$8.50.

Strawberry plants received in good order and all set out. They were very fine, much better than some potted plants I received from Cornwall. No one can send out better stock at any price.

G. F. WILLIAMS, Fitchburg, Mass.

I saw the raspberries referred to (Cumberland) growing on the grounds of Mr. Miller, and was very much pleased with them. The canes were remarkably strong and healthy and bore a uniformly large crop of the largest black raspberries I have ever seen. Many of them were as large as Lawton blackberries and when fully ripe they are sweet and well flavored. I consider it an acquisition to our list of small fruits."

GABRIEL HIESTER, Harrisburg, Pa. (Of the Pennsylvania State Agricultural College.)



MERSEREAU BLACKBERRY.



Named by Prof. Baily of Cornell University. A variety resembling Snyder and derived from it. Some four years ago the originator noticed an extra large strong bush and began to propagate from it. He is now gradually changing his whole plantation to this new variety. It is one of the most promising yet introduced. Its points of superiority are: Extreme hardiness, large size, great productiveness and delicious quality. This variety is the blackberry so highly recommended by the New York Experiment Station. It was introduced last year at \$5.00 per dozen. It is said to stand drouth the best of all blackberries.